



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: KIM, Yang-Pioung

SERIAL NO.: 10/022,184

ART UNIT: 1773

FILED: December 14, 2001

EXAMINER: Jackson, M. R.

TITLE: LIGHT PROTECTING SHEET AND METHOD FOR MANUFACTURING THE SAME

REMARKS ON AMENDMENT "D"

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action of April 19, 2005, having a response being due on July 19, 2005 and concurrent with a Request for Continued Examination, please amend the above-identified application as presented and consider the following remarks in conjunction with the amendments as follows:

REMARKS

Upon entry of the present amendments, the previous Claims 1-10 have been canceled, and Claims 11 and 12 have been amended. Reconsideration of the rejections, in light of the foregoing amendments and present remarks, is respectfully requested. The present amendments have been entered for the purpose of distinguishing the present invention from the prior art.

In the Office Action, the Examiner has rejected Claims 11 and 12 under 35 U.S.C. § 103(a) as being obvious over the Hein patent alone or in combination with either one of the Whyzmuzis patent, the Murphy patent or the Miyamoto patent. According to the Examiner, the Hein patent

teaches all elements of the claims except for the use of white ink layers over the entire surface. The Examiner argues that the Hein patent teaches an obvious pigment and adhesive component white ink because opaque color ink is used. In any case, either of the Whyzmuzis patent, Murphy patent or Miyamoto patent disclose the two-component inks of pigment and adhesives to make the present invention obvious.

So as to more clearly distinguish the present invention from the Hein patent and the prior art combinations, independent Claims 11 and 12 have been amended to more specifically claim the layers of the present invention. In particular, independent Claim 11 now recites the step of applying adhesive "directly onto" one side of the aluminum-deposited layer. Additionally, independent Claim 12 now reflects the limitation of the adhesive and aluminum-deposited layer "without any layer therebetween". As such, Applicant's attorney believes that independent Claims 11 and 12 now distinguish the present invention from the prior art Hein patent and combinations of the prior art.

With regard to the specific rejections, Applicant respectfully contends that the Hein patent does not make the present invention obvious. The Hein patent fails to disclose any adhesive layer whatsoever, and there is no suggestion of any need for an adhesive layer in this prior art patent. The Hein patent does not make the structure and method of the present invention obvious because there is no adhesive even mentioned and because the disclosure of the Hein patent does not suggest further layers because the application and problems overcome by the present invention are not addressed. As a cigarette wrapper, the use of additional layers for strength and rigidity for a display sign are not made obvious.

Additionally, it is extremely difficult to legitimately equate the ink layer of the Hein patent in order to disclose an adhesive layer. Applicant acknowledges that an ink layer has a pigment and an adhesive property in order to stick to the surface to which it is applied; however, it is clear to those skilled in the art and in the present prior art that an "ink layer" is not analogous to an "adhesive layer". All prior art references cited by the Examiner differentiate between these two separate elements, and these terms are never used interchangeably to suggest one another. As such, the mention of an ink layer in the Hein patent does not make an adhesive layer obvious. Furthermore, the mention of the ink layer on one side of the metal-deposited layer does not make the specifically claimed adhesive layer with placement limitation obvious.

Because the Hein patent does not make the present invention obvious, neither can the prior art combinations added to disclose that "white" can be a color of a colored pigment. Applicant urges the Examiner to re-consider the interpretation given to the Hein patent because certain layers are very clearly not shown nor suggested. Layers 12 and 14 of the Hein patent are analogous to the aluminum-deposited layer 102 of the present invention. However, on the other side of the metal-deposited layer, the other inventive elements of the transparent layer 100 and the white adhesive layer 101 are not present in any of the prior art. These layers are important innovations that address particular problems discussed in the application as a display sign and that are not made obvious by the prior art.

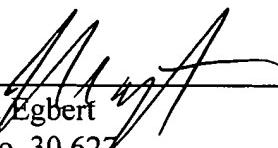
Based upon the foregoing analysis, Applicant contends that independent Claims 11 and 12 are now in proper condition for allowance. Reconsideration of the rejections is requested and allowance of the claims at an early date is earnestly solicited. Since no additional claims have been added above those originally paid for, no additional fee is required.

Respectfully submitted,

6.29.05

Date

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